

1 (August 2, 2004)

2 **Specific Fabrication Requirements for Precast Concrete Panel Faced**
3 **Structural Earth Walls**

4 **ARES Modular Panel Wall System**

5 The concrete mix for precast concrete facing panels shall be a Contractor mix
6 design in accordance with Section 6-02.3(2)A, producing a minimum
7 compressive strength at 28 days of 4,500 psi. The Contractor mix design for
8 precast concrete facing panels shall not include Type III cement unless
9 otherwise approved by the Engineer.

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11 The slot opening for geogrid attachment in precast concrete facing panels
12 shall be 1/8 inch minimum. The Contractor shall test the slot opening of each
13 concrete panel using a feeler gauge furnished by Tensar Earth Technologies,
14 Inc. Concrete panels with slot dimension deviations that allow the feeler
15 gauge to be pulled out of the slot shall be rejected.

16
17 **MSE Plus Wall**

18 The concrete mix for precast concrete facing panels using soil reinforcement
19 mesh of either 6w20 or 6w24 shall be a Contractor mix design in accordance
20 with Section 6-02.3(2)A, producing a minimum compressive strength at 28
21 days of 5,000 psi. The Contractor mix design for all precast concrete facing
22 panels shall include Type II cement only.

23
24 Rods forming the internal connection channel in precast concrete facing
25 panels shall be turned within 20 minutes of concrete placement in each
26 concrete panel, and removed between 3 and 24 hours after concrete
27 placement.